

ABSTRACT OF THE DISCLOSURE

There is provided an optical receiver comprising: a HIGH level detector (11) for detecting a HIGH level of an output signal from a preamplifier (2); a DC level detector (12) for detecting a DC level of the output signal from the preamplifier; a LOW level detector (13) for detecting a LOW level of the output signal from the preamplifier; a first subtracting circuit (14) for determining a first subtraction result by subtracting the DC level from the HIGH level; a second subtracting circuit (15) for determining a second subtraction result by subtracting the LOW level from the DC level; a third subtracting circuit (16) for determining a third subtraction result by subtracting the second subtraction result from the first subtraction result; 15 and a correction circuit (17) for correcting a DC bias applied to an AC component of the output signal from the preamplifier by weighting the third subtraction result according to characteristics of a light receiving element and characteristics of the preamplifier, and by determining a difference between a level of a crossing point of an eye diagram of the output signal from the preamplifier, at which rising and falling edges of pulses included in the output signal from the preamplifier cross each other, and the DC level.